



National Security Space Office

NSSO Architecture Definitions



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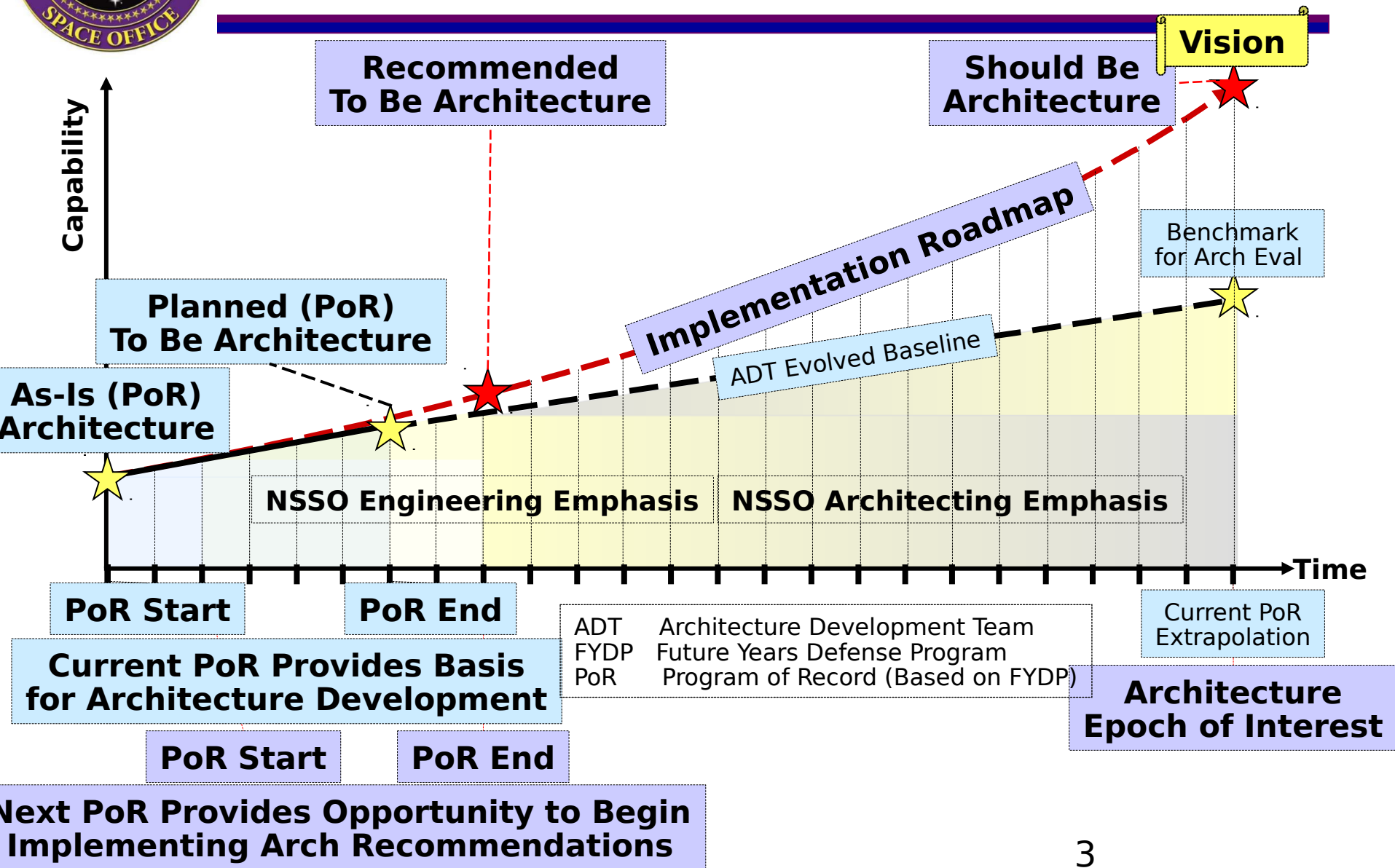
Approved by the NSSO Operations
Manager;

Endorsed by the Directors of CFIO and ISR
FIO,

and the Chiefs of the PNT, SPC, and AE



Context for NSSO Definitions





NSSO Definitions (1/2)

- **Architecture.** The structure, relationships and principles governing the design and evolution of elements linked in accomplishing a common purpose.
- **NSS Architectures.** Architectures focused on the National Security Space enterprise, or a segment (e.g., Collection, Tasking), capability (e.g., ISR, COMM), or attribute (e.g., Robustness) of the NSS enterprise. These architectures address non-materiel and materiel solutions, and may include capabilities in domains other than space, including cyberspace.
- **ADT Evolved Baseline.** ADT-developed benchmark that describes expected future capabilities in the epoch of interest by extrapolating the current vector represented by the As-Is and Planned To Be architectures.



NSSO Definitions (2/2)

- **NSSO Architectures.** NSS architectures characterized by, at least, 3 epochs.
 - **As-Is Architecture.** Architecture of elements that **currently exist and provide utility** to the enterprise.
 - **Planned To Be Architecture.** Architecture of elements that **are expected to exist over the next several years** based on current plans (i.e., Program of Record).
 - **Should Be Architecture.** Architecture of elements that **should exist in the epoch of interest** (i.e., long range goals or vision) based on analysis of needs, technologies, policies, budgets, and related criteria.
 - **Recommended To Be Architecture.** Architecture of elements that **need to exist over the next several years** (i.e., recommended changes/updates to the Program of Record) in order to achieve the Should Be Architecture in accordance with the Implementation Roadmap.

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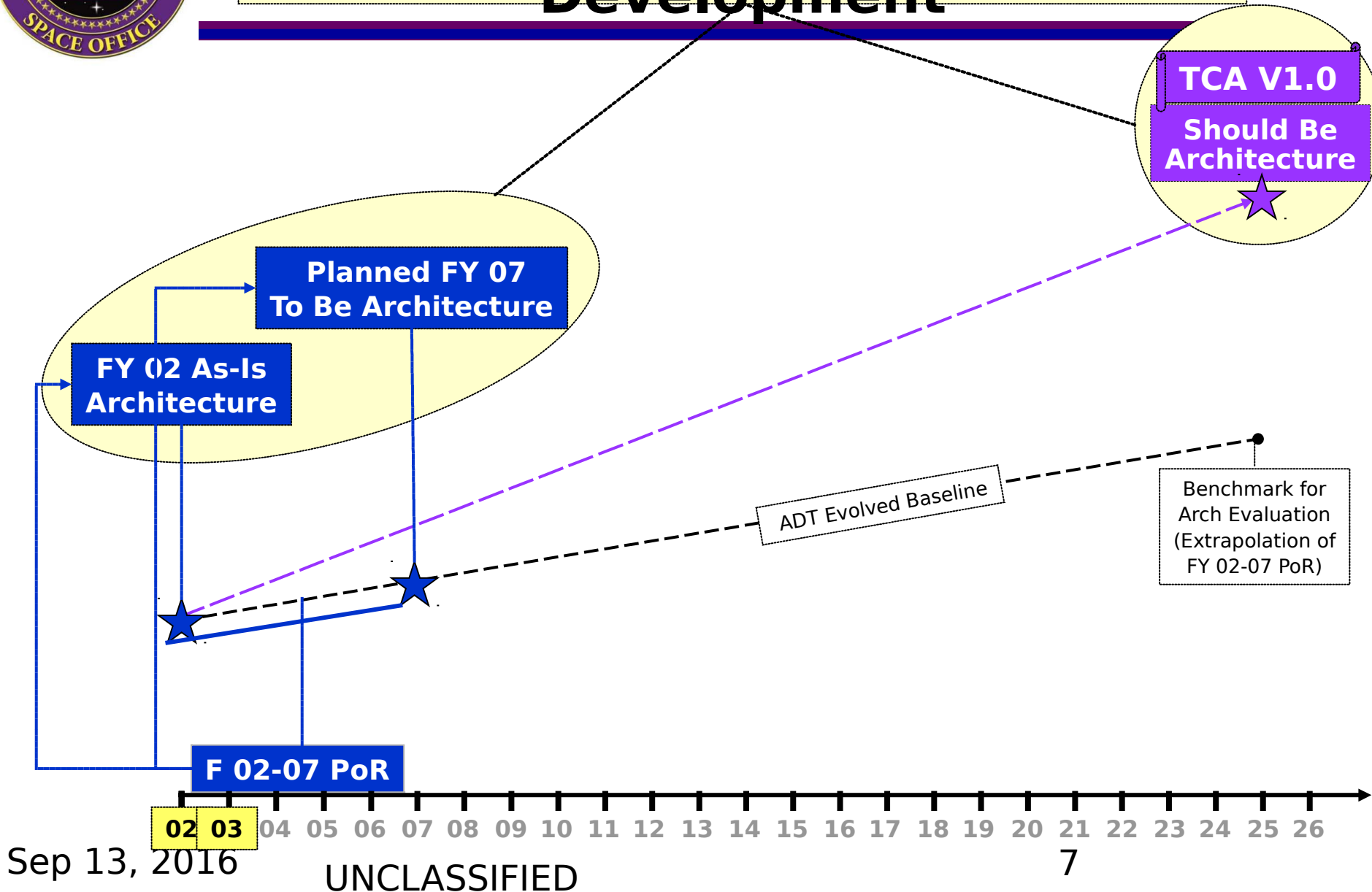
Exemplar – TCA

Architecture Implementation &
Maintenance

29 November 2006

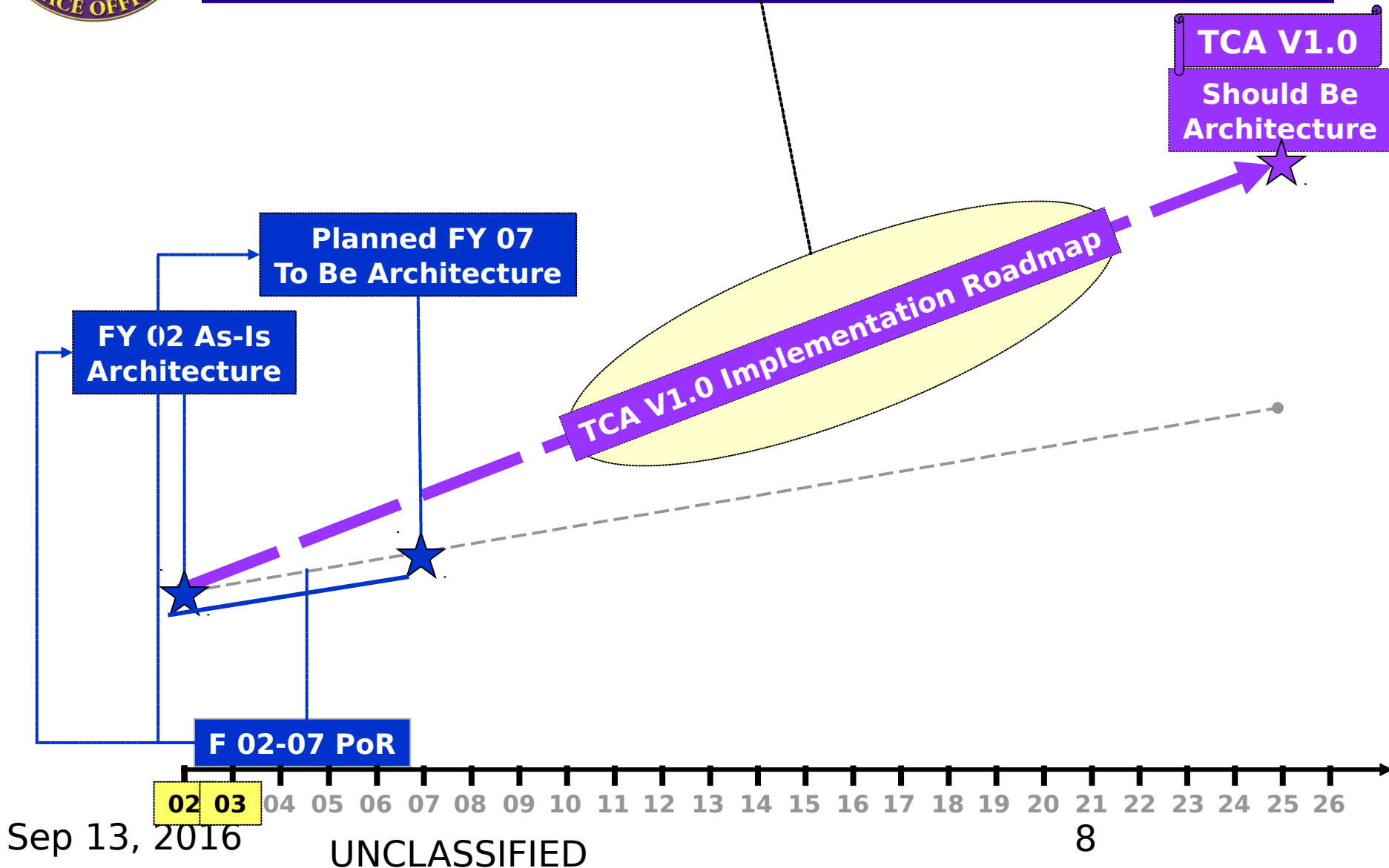


TCA V1.0 - Architecture Development



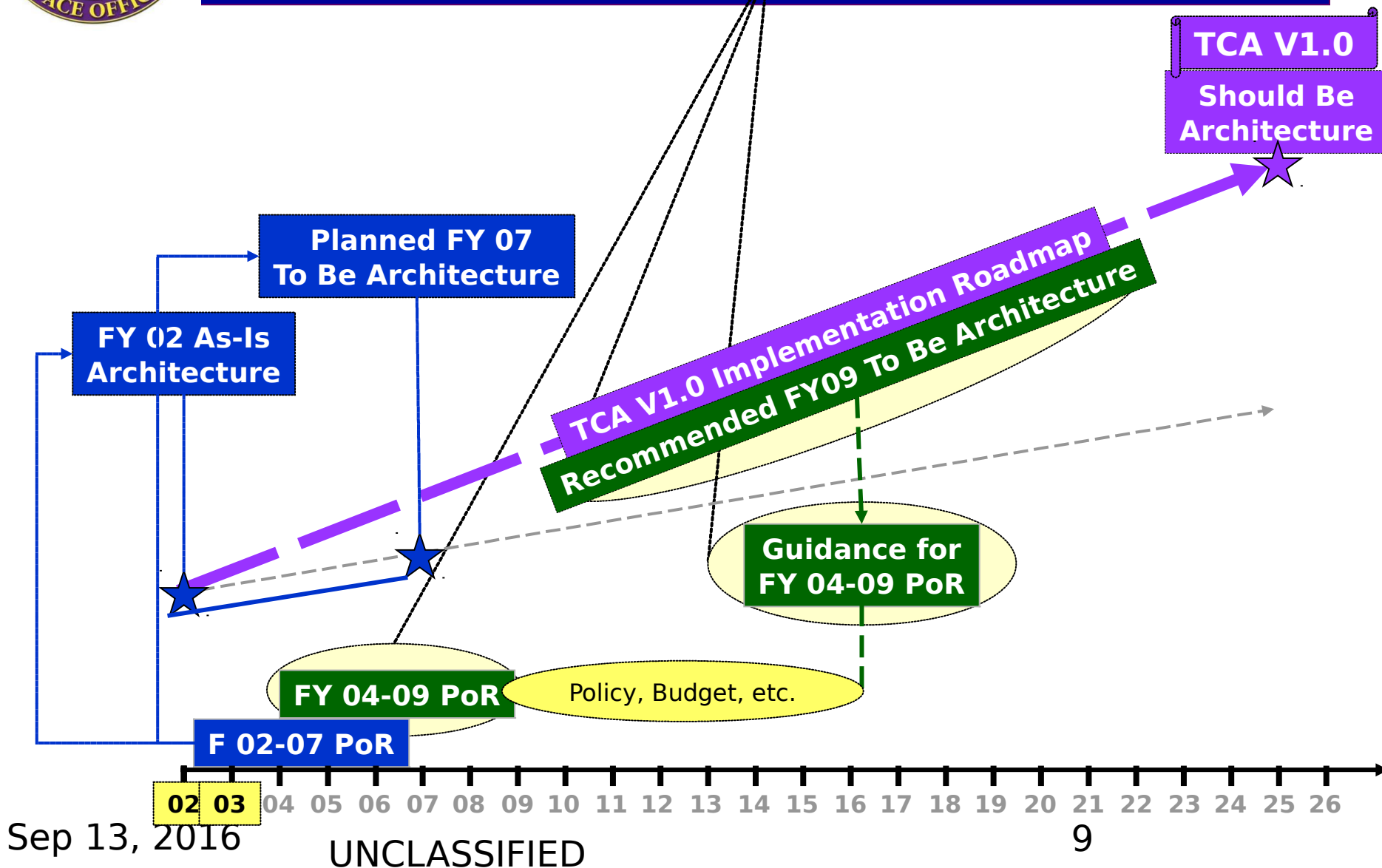


TCA V1.0 - Implementation Planning





TCA V1.0 - Implementation Programming



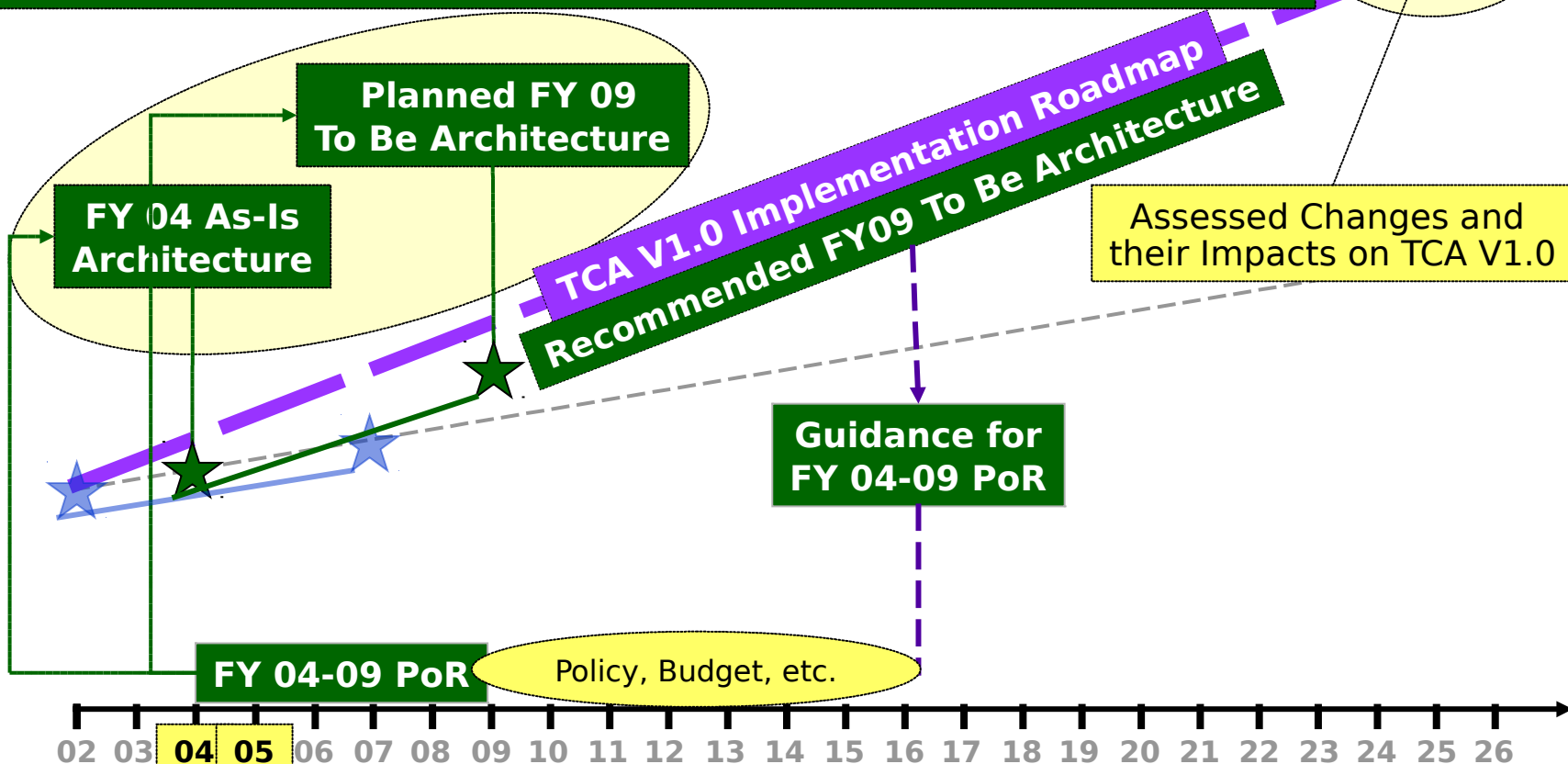


TCA V2.0 - Architecture Maintenance

Recommended FY09 To Be Architecture

The set of recommendations that are accepted and incorporated into the FY 04-09 PoR are reflected in the FY04 As-Is & Planned FY09 To Be Architectures

TCA V2.0
Should Be Architecture



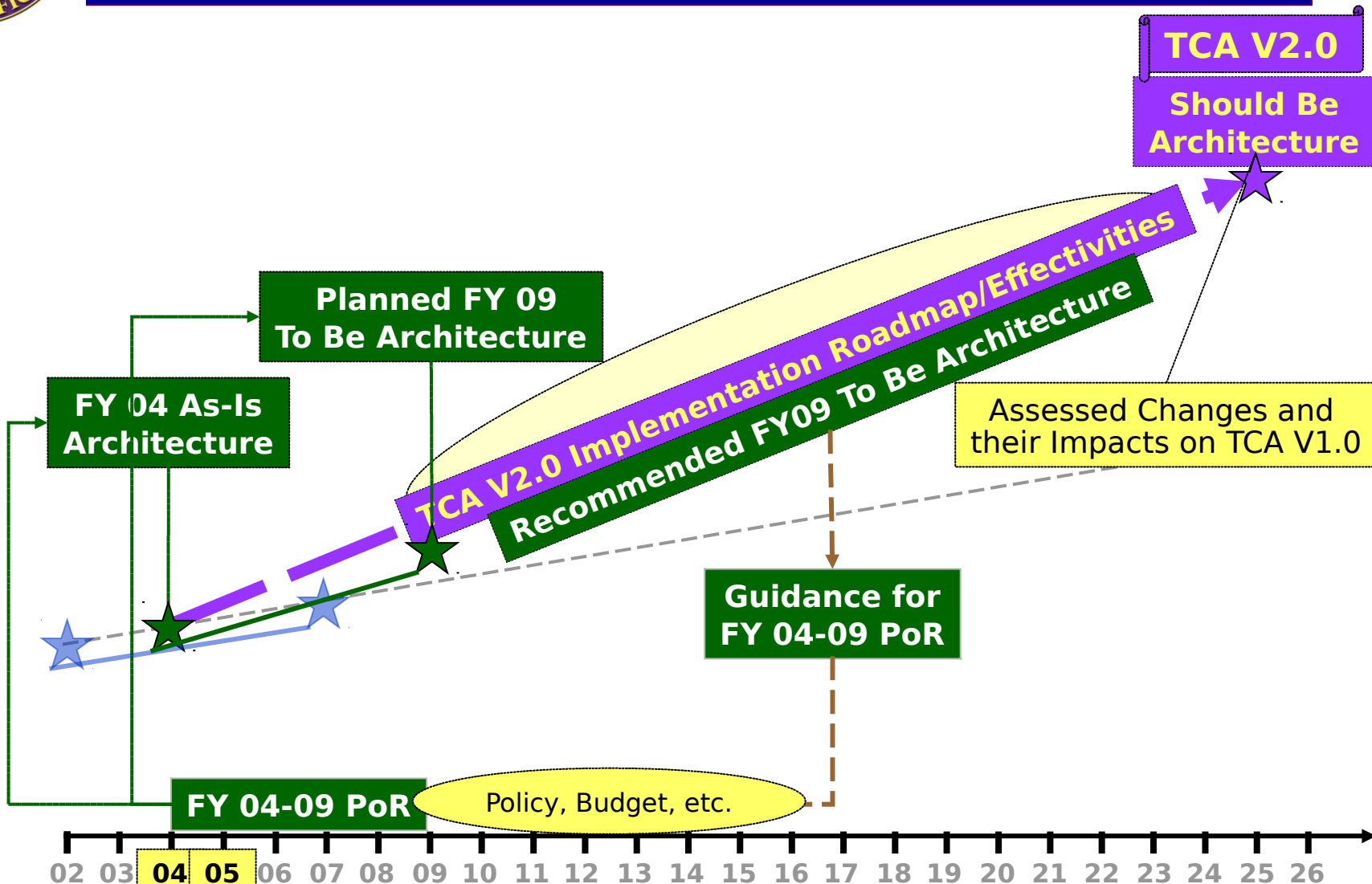
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TCA V2.0 - Implementation Planning



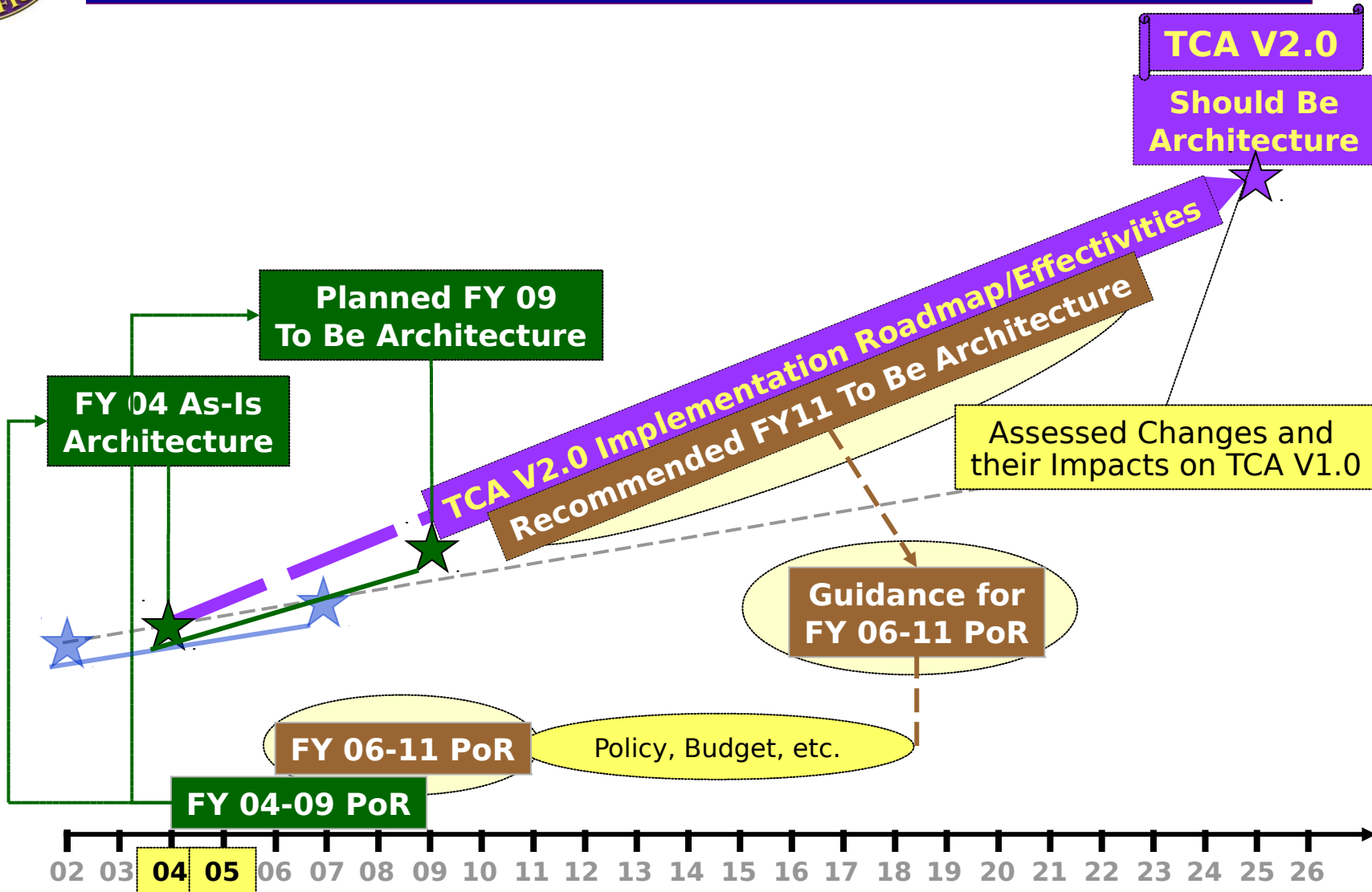
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TCA V2.0 - Implementation Programming



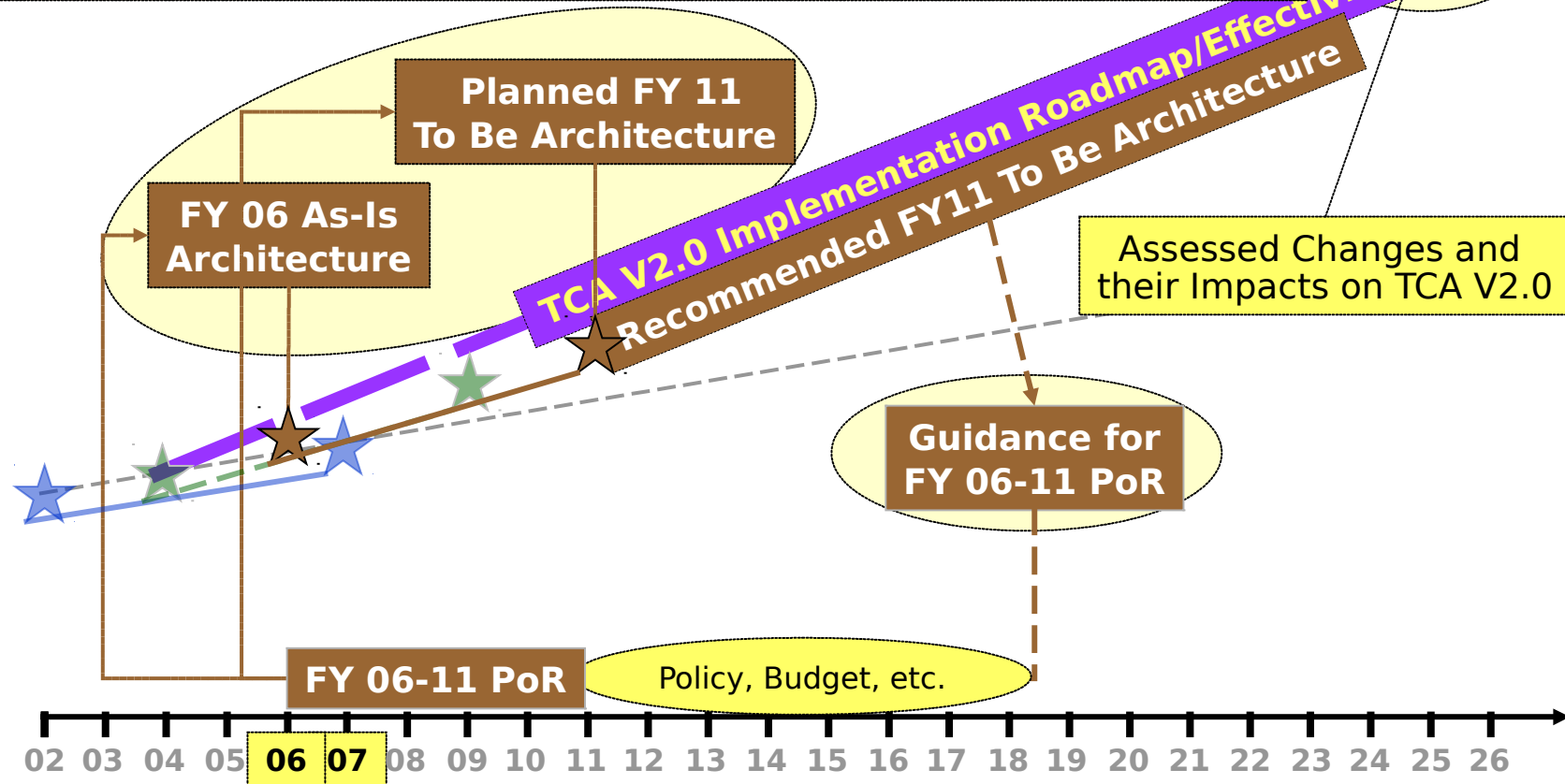


TCA V3.0 - Architecture Maintenance

Recommended FY09 To Be Architecture

The set of recommendations that are accepted and incorporated into the FY 04-09 PoR are reflected in the FY04 As-Is & Planned FY09 To Be Architectures

TCA V3.0
Should Be
Architecture



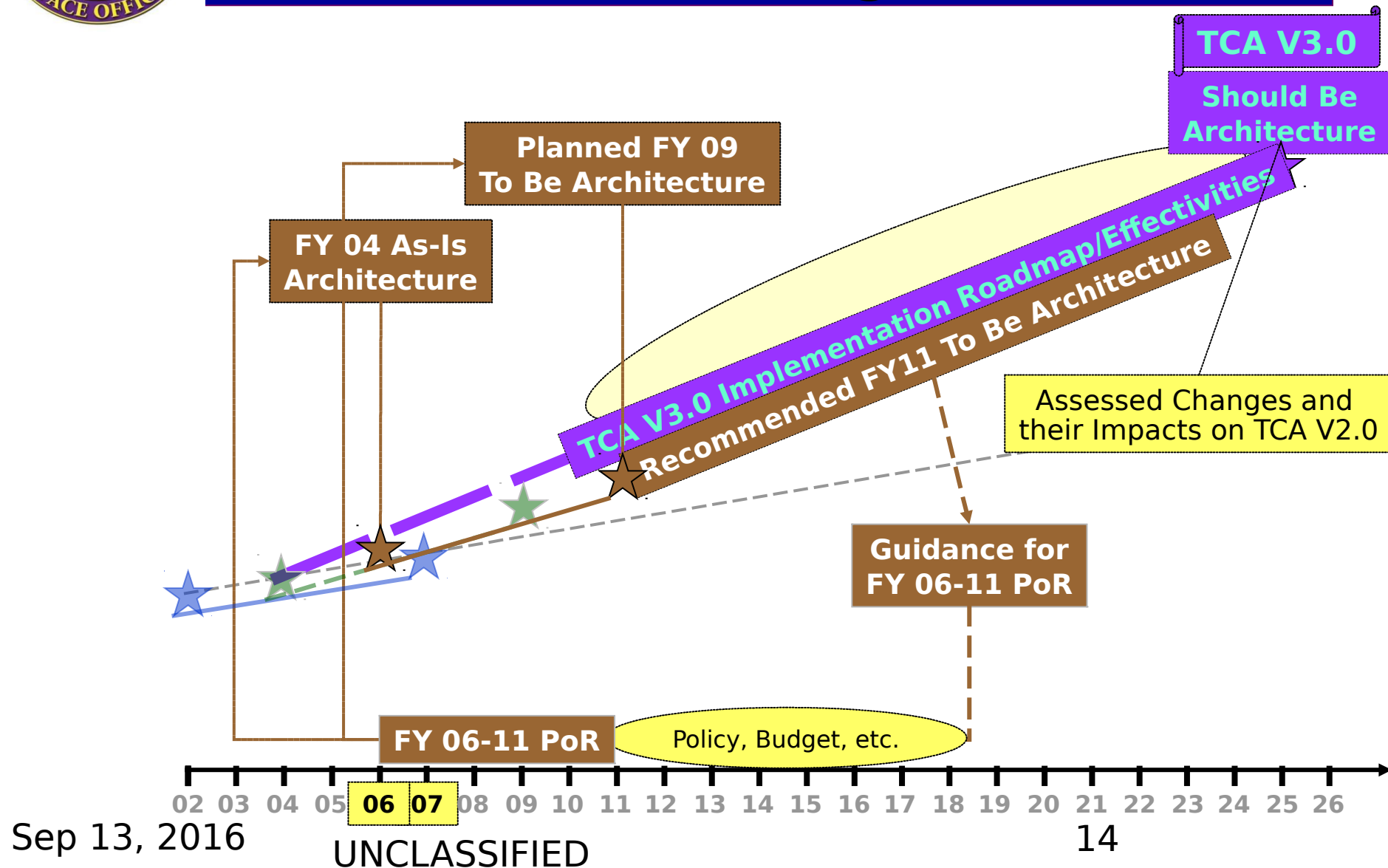
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TCA V3.0 - Implementation Planning





TCA V3.0 - Implementation Programming

